

## QUINNIPIAC RIVER BASIN

## 01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT

LOCATION.--Lat 41°31'45", long 72°51'50", New Haven County, Hydrologic Unit 01100004, at bridge on Cheshire St., 3 mi west of Meriden, and 1.7 mi upstream from Hanover Pond.

DRAINAGE AREA.--69.6 mi<sup>2</sup>.

PERIOD of RECORD.--Water year 1974 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/100 ML) (90909)	HARD-NESS TOTAL (MG/L) AS CAC03 (00900)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	
OCT 10...	1230	46	384	7.6	20.0	11.5	1.2	9.7	88	420	76	120	39.4	
DEC 06...	1330	39	402	7.7	19.5	10.0	1.3	10.1	90	967	208	130	41.3	
FEB 04...	1310	49	396	7.7	8.0	3.5	2.8	13.1	100	8500k	2020k	110	35.7	
APR 03...	1400	93	320	7.8	22.0	12.0	2.0	12.0	113	8500k	400	93	29.6	
JUN 18...	1300	122	271	7.5	21.0	18.0	5.0	8.6	91	303k	212	80	25.3	
JUL 16...	1350	15	412	7.5	31.0	22.0	3.1	6.4	73	580	108	130	41.3	
AUG 14...	1310	21	436	7.6	35.5	26.0	1.8	8.7	107	84k	100	130	42.3	
SEP 12...	1330	24	427	7.2	21.0	17.5	1.8	8.4	88	236	192	130	40.8	
Date		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 10...	5.84	26.1	3.90	0	93	77	21.3	45.9	.2	14.3	234	228	.050	
DEC 06...	6.01	26.1	4.19	0	110	91	19.6	47.1	.2	12.4	256	256	.035	
FEB 04...	5.45	29.5	3.65	0	93	77	17.9	48.5	.1	12.9	228	240	.085	
APR 03...	4.55	21.9	2.44	0	71	58	15.9	37.6	.2	9.70	181	195	.024	
JUN 18...	3.97	17.8	2.68	0	68	56	11.9	30.6	E.1n	11.4	165	179	.020	
JUL 16...	6.01	27.5	4.60	0	98	80	17.9	45.8	.2	13.9	243	268	.106	
AUG 14...	6.11	29.8	5.45	0	104	85	20.3	47.5	.25	14.7	265	275	.012	
SEP 12...	5.88	28.2	5.10	0	98	80	23.3	46.6	.3	14.6	270	274	E.007	
Date		NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT 10...	5.56	E.03	--	.39	.38	6.0	.67	.66	.62	4	<.05	107	<.06	
DEC 06...	6.05	<.04	--	.44	.38	6.5	.73	.75	.71	3	.09	105	<.06	
FEB 04...	4.61	.57	.47	1.0	.92	5.7	.68	.62	.59	6	.08	92	<.06	
APR 03...	3.18	<.04	--	.37	.29	3.6	.35	.35	.33	10	.31	83	<.06	
JUN 18...	2.41	E.04	--	.40	.34	2.8	.30	.23	.23	10	.11	77	<.06	
JUL 16...	6.99	E.03	--	.72	.46	7.7	.89	.92	.90	5	.12	112	<.06	
AUG 14...	7.19	E.03	--	.49	.44	7.7	.88	.91	.90	5	.12	112	<.06	
SEP 12...	7.07	<.04	--	.55	.43	7.6	.91	.90	.92	5	.10	110	<.06	

## 01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 10...	.18	<.8	.19	3.6	58	.15	52.7	.4	.10	<1	13	.26	3.4
DEC 06...	.08	E.7	.26	3.4	51	.13	28.2	.4	.67	<1	13	.22	3.8
FEB 04...	.13	E.6	.17	2.5	76	.13	316	.4	.85	<1	14	.28	3.8
APR 03...	.08	E.5	.16	2.6	120	.13	121	.5	1.12	<1	10	.25	4.2
JUN 18...	.08	<.8	.12	2.6	166	.21	54.8	.4	1.21	<1	7	.16	5.0
JUL 16...	.13	<.8	.21	4.8	61	.15	53.3	1.0	1.40	<1	15	.27	4.3
AUG 14...	.15	E.4	.21	4.6	26	E.07	71.5	1.0	1.54	<1	15	.33	3.9
SEP 12...	.14	<.8	.21	4.2	25	.11	94.8	2.0	3.04	<1	14	.31	4.3

Value qualifier codes used in this report:

k -- Counts outside acceptable range

n -- Below the NDV